

FIG.3
CONVENTIONAL ART

|   | STREAM OBJECT GENERAL INFORMATION (SOB_GI) |                                |  |  |  |  |  |  |
|---|--|--------------------------------|--|--|--|--|--|--|
| STREAM<br>OBJECT<br>INFORMATION<br>(SOBI) |  | INCREMENTAL APAT #1 (IAPAT #1) |  |  |  |  |  |  |
|   | MAPPING LIST<br>(MAPL)                     | :<br>:                         |  |  |  |  |  |  |
|   |  | INCREMENTAL APAT #N (IAPAT #N) |  |  |  |  |  |  |

FIG.4 CONVENTIONAL ART

| SOB_GI      |                                |         |  |  |  |  |  |
|-------------|--------------------------------|---------|--|--|--|--|--|
| SOBU_SZ     | MINIMUM MAPPING UNIT SIZE      | 2 BYTES |  |  |  |  |  |
| MTU_SHFT    | MAPPING TIME UNIT SHIFT        | 1 BYTE  |  |  |  |  |  |
| RESERVED    | RESERVED                       | 1 BYTE  |  |  |  |  |  |
| MAPL_ENT_NS | NUMBER OF MAPPING LIST ENTRIES | 4 BYTES |  |  |  |  |  |
| S_S_APAT    | STREAM START APAT              | 8 BYTES |  |  |  |  |  |
| S_E_APAT    | STREAM END APAT                | 8 BYTES |  |  |  |  |  |

(a)

|       | INCREMENTAL APAT |         |
|-------|------------------|---------|
| IAPAT | INCREMENTAL APAT | 2 BYTES |

(b)

FIG.5 CONVENTIONAL ART

FIG. 6A

| PAT_base[38 ~ 31]    |            |
|----------------------|------------|
| PAT_base [ 30 ~ 23 ] |            |
| PAT_base [ 22 ~ 15 ] |            |
| PAT_base[14 ~ 7]     |            |
| PAT_base [ 6 ~ 0 ]   | PAT_ext[8] |
| PAT_ext[7 - 0]       |            |

PAT\_base : 90 KHz unit , PAT\_ext : 27 MHz unit ( 0 ~ 299 )

## Conventional Art

FIG. 6B

| PAT [ 31 ~ 24 ] |  |
|-----------------|--|
| PAT [ 23 ~ 16 ] |  |
| PAT [ 15~ 8 ]   |  |
| PAT [ 7~ 0 ]    |  |

PAT: 27 MHz unit

Conventional Art

FIG. 7A

| PAT_base [ 38 ~ 31 ]     |            |
|--------------------------|------------|
| <br>PAT_base [ 30 ~ 23 ] |            |
| PAT_base [ 22 ~ 15 ]     |            |
| PAT_base [ 14 ~ 7 ]      | a.         |
| <br>PAT_base [ 6 ~ 0 ]   | PAT_ext[8] |
| <br>PAT_ext [ 7 ~ 0 ]    |            |

PAT\_base : 90 KHz unit , PAT\_ext : 27 MHz unit (  $0 \sim 299$  )

## FIG. 7B

| PAT_base [ 22 - 15 ]   |             |
|--|-------------|
| PAT base [ 14 - 7 ]  | :467<br>113 |
| PAT base [6 0]   | [8]         |
| AND THE PATE OF TH |             |

PAT\_base : 90 KHz unit , PAT\_ext : 27 MHz unit (  $0 \sim 299$  )

| One Packet ( 2048 bytes ) | Stream PES Packet ( 2034 bytes ) | Stream Data Area (2019 bytes) | (1948 byte) | bstr. Application Application (Application Packets)  1D Header Header Bxt (Application Timestamps)  1B 25B (Application Timestamps) |   |     | Field Number of bits | AU_Start 1 | AU_End 1 | PATECATIVITY IN THE STATE OF TH | Reserved 3 | Copyright 2 |   |
|---------------------------|----------------------------------|-------------------------------|-------------|---|---|-----|----------------------|------------|----------|--|------------|-------------|---|
|                           |                                  |                               |             | Substr.<br>ID<br>1B   |   | ·:[ |                      |            |          |  |            |             |   |
|                           |                                  |                               |             | PES<br>Header<br>14B  | · |     |                      |            |          |  |            |             | • |
|                           | ·                                |                               |             | Pack<br>Header<br>14B   |   |     |                      | 3.         |          |  |            |             |   |

FIG. 9

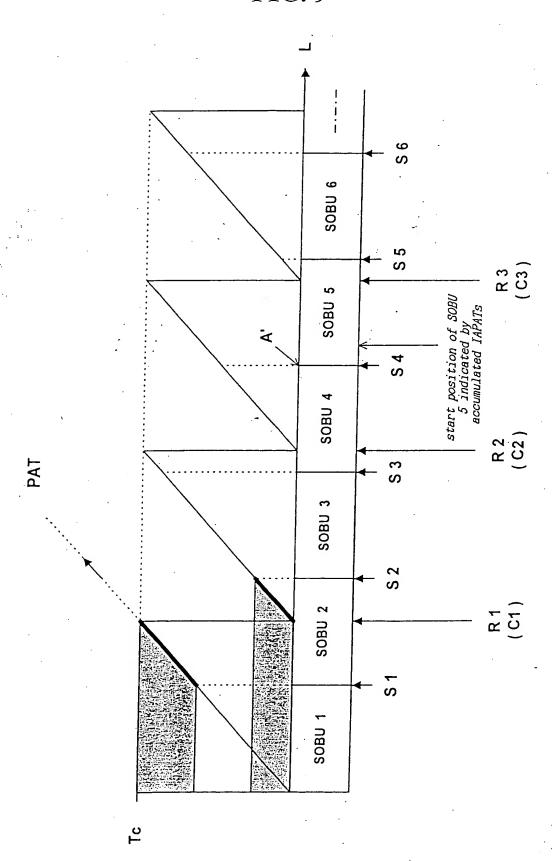


FIG. 10

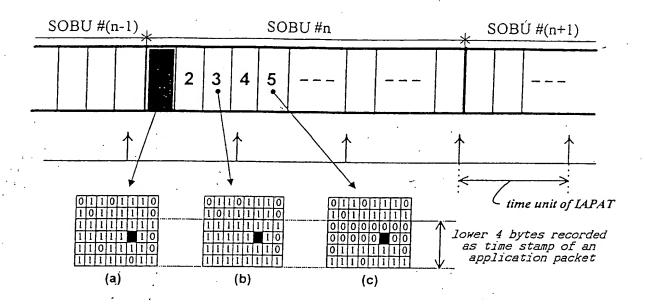


FIG. 11

